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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/594,212	06/14/2000	Martin Freeman	US000065	8301

7590 11/19/2002

Corporate Patent Counsel
U S Philips Corporation
580 White Plains Road
Tarrytown, NY 10591

EXAMINER

THAI, CUONG T

ART UNIT PAPER NUMBER

2173

DATE MAILED: 11/19/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary

Application No.

09/594,212

Applicant(s)

FREEMAN ET AL.

Examiner

CUONG T THAI

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-7 and 10-24 is/are rejected.
- 7) ☒ Claim(s) 8 and 9 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2. 6) ☐ Other: _____

DETAILED ACTION

1. Claims 1-24 are presented for examination (claims 1-25 have been filed for this application. However, there is missing of claim 13; therefore these claims have been renumbered from 1-24 in progress of examination).

Drawings

2. Fig. 2 is objected due to missing text of buttons 103 and 104. Correction are required.

Specification

Claim Objections

3. Claims 14-25 are objected to because of the following informalities: There is a missing of claim 13 on this application. These claims have been renumbered as claims 13-24 in process of examination. The dependencies of claims 18-21 have been changed from claim 17 to claim 16 since claim 17 have been renumbered as claim 16. The dependencies of claims 23-25 have been changed from claim 22 to claim 21 and claim 23 to claim 22 since claim 22 have been renumbered as claim 21.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-7, 10-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Van Ee et al. (USPN: 6,208,341) in view of Roth (USPN: 6,266,060).

As for claims 1 (system) and 12 (software), Van Ee discloses a data processing system comprising:

A display with a graphical user interface for enabling user interaction with a plurality of menu options as the technique of the remote has a display for display of a GUI with a plurality of user selectable options. The remote enables the user to program a macro. The macro comprises a sequence of multiple ones of the control options of the GUI. The GUI enables the user to view the sequence as a scrollable list of steps. The GUI enables the user to edit the list by selecting at least one specific one of the steps and moving it up or down the list (see col. 1 line 62 to col. 2 line 2 and Figs. 3-4);

Van Ee, however, does not disclose the limitation of an adapter for automatically and dynamically arranging the menu options in the GUI to reduce user navigation;

Roth discloses the limitation of an adapter for automatically and dynamically arranging the menu options in the GUI to reduce user navigation as the technique of automatic ranking control feature which provides for automatic

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heuristic control over menu item arrangement for both fixed and variable content menu (see col. 2, lines 29-31);

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include the limitation of an adapter for automatically and dynamically arranging the menu options in the GUI to reduce user navigation by Roth into that of Van Ee's user menu control invention. By doing so, the system would be enhanced by allowing user to arrange the menu dynamically based on user's desired manner.

As for claim 16, as recited in claim 1, the step of creating the GUI in response to the user profile is taught by Roth as the technique of user profile 270 (see col. 4 line 64), updates user's profile to match that of the master profile (see col. 9, lines 23-24). This claim is therefore rejected for the reason as set forth above.

As for claim 21, as recited in claim 1, a remote control device for control of consumer electronics equipment is taught by Van Ee as remote control 116 is capable of controlling all through issuing the proper IR command for controlling pieces of consumer equipment: an audio amplifier 102, a cable TV box 104, a CD/DVD player 106, a TV tuner 108, a VCR 110, a home security system 112, a lighting control system 114 (see col. 2, lines 57-64). This claim is therefore rejected for the reason as set forth above.

As for claim 22, due to the similarity of this claim to the limitation b of claim 1, this claim is therefore rejected for the same reason applied to claim 1.

As for claims 2 (system), 13 (software), 18 (method) and 23 (device), Van Ee discloses the invention substantially as claimed. Van Ee, however, does not disclose the limitation of the GUI comprises multiple pages and adapter dynamically arranges specific ones of menu options to particular ones of multiple pages;

Roth discloses the limitation of GUI comprises multiple pages and adapter dynamically arranges specific ones of menu options to particular ones of multiple pages as the technique of WebExplorer 250 that is responsible for retrieving Web pages based on URL (see col. 7, lines 35-36), WebExplorer 250 is the computer program that have been enhanced to include the menu management mechanisms of the present application (see col. 4, lines 49-51), and WebExplorer 250 has been enhanced to include a "Menus..." menu item selection option in its "Configure" menu. Selection of this option allows the user to interact with menu initializer (see col. 7, lines 53-56);

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include Roth's WebExplorer comprises multiple pages and adapter dynamically arranges specific ones of menu options to particular ones of multiple pages into that of Van Ee's invention. By doing so, the

system would be enhanced to include the menu management for providing arranges tool to end user.

As for claim 3, Van Ee discloses the invention substantially as claimed. Van Ee, however, does not the limitation of adapter arranges the menu option dependent on an identity of the user;

Roth discloses the limitation of arranges the menu option dependent on an identity of the user as the technique of menu arrangements for a particular user type (see col. 6, lines 1-2) based on types of profiles might be "Programmer," "Secretary," "Scientist," "Doctor," etc. (see col. 9, lines 48-49) and user name field 605 would be used in the case were multiple users were using the same program (see col. 9, lines 64-65);

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include Roth's arranges the menu option dependent on an identity of the user profiles into that of Van Ee's invention. By doing so, the system would be enhanced by allowing user to work on menu options control based on his/her own profile.

As for claims 4 (system), 14 (software) and 17 (method); Van Ee discloses the inventions substantially as claimed. Van Ee, however, does not disclose the limitation of arrange menu options according to a history of user interaction with the GUI;

Roth discloses the limitation of arrange menu options according to a history of user interaction with the GUI as the technique of automatic menu arrangement for both fixed and variable content menus based on a combination of frequency of selection and recency of selection (see abstract);

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include Roth's automatic menu arrangement for both fixed and variable content menus based on a combination of frequency of selection and recency of selection into that of Van Ee's invention. By doing so, the system would be enhanced by reduce user navigation among the menu options to end user.

As for claim 19, Van Ee discloses the inventions substantially as claimed. Van Ee, however, does not disclose the limitation of the GUI providing interactivity with a World Wide Web site;

Roth discloses the limitation of the GUI providing interactivity with a World Wide Web site as the technique of WebExplorer 250 that is responsible for retrieving Web pages based on URL (see col. 7, lines 35-36), WebExplorer 250 is the computer program that have been enhanced to include the menu management mechanisms of the present application (see col. 4, lines 49-51), and WebExplorer 250 has been enhanced to include a "Menus...." menu item selection option in its "Configure" menu. Selection of this option allows the user to interact with menu initializer (see col. 7, lines 53-56);

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It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include Roth's GUI providing interactivity with a World Wide Web site such as WebExplorer into that of Van Ee's invention. By doing so, the system would be enhanced by allowing user to surf the Web.

As for claim 5, Van Ee discloses the inventions substantially as claimed. Van Ee, however, does not disclose the limitation of arranges the menu options according to a user-profile;

Roth discloses the limitation of arranges the menu options according to a user-profile as the technique of menu arrangements for a particular user type (see col. 6, lines 1-2) based on types of profiles might be "Programmer," "Secretary," "Scientist," "Doctor," etc. (see col. 9, lines 48-49);

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include Roth's arranges the menu option based upon the user profiles into that of Van Ee's invention. By doing so, the system would be enhanced by allowing user to work on menu options control based on his/her own profile.

As for claims 6 (system) and 15 (software), Van Ee discloses the inventions substantially as claimed. Van Ee, however, does not disclose the limitation of respective arrangements of the menu options for respective individual ones of multiple users;

Roth discloses the limitation of respective arrangements of the menu options for respective individual ones of multiple users as the technique of menu arrangements for a particular user type (see col. 6, lines 1-2) based on types of profiles might be "Programmer," "Secretary," "Scientist," "Doctor," etc. (see col. 9, lines 48-49);

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include Roth's respective arrangements of the menu options for respective individual ones of multiple users into that of Van Ee's invention. By doing so, the system would be enhanced by allowing user to work on menu options based on his/her own profile compared to other users.

As for claims 10 and 11, the limitation of a remote control for user control of consumer electronics equipment through GUI (see claim 10) and a remote control device for remote control of CE equipment are taught by Van Ee as the technique of as remote control 116 is capable of controlling all through issuing the proper IR command for controlling pieces of consumer equipment: an audio amplifier 102, a cable TV box 104, a CD/DVD player 106, a TV turner 108, a VCR 110, a home security system 112, a lighting control system 114 (see col. 2, lines 57-64). These claims are therefore rejected for the reason as set forth above.

As for claim 7, Van Ee disclose the invention substantially as claimed. Van Ee, however, does not disclose the limitation of enabling adapter to discriminate between the multiple users;

Roth discloses the limitation of enabling adapter to discriminate between the multiple users as the limitation of User Profile for a particular user type (see col. 6, lines 1-2) based on types of profiles might be "Programmer," "Secretary," "Scientist," "Doctor," etc. (see col. 9, lines 48-49);

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include Roth's User Profile for enabling adapter to discriminate between the multiple users into that of Van Ee's invention. By doing so, the system would be enhanced by allowing user to work on menu options based on his/her own profile compared to other users.

As for claim 24, due to the similarity of this claim to the combination of claim 1 (limitation b) and claim 10, this claim is therefore rejected for the same reasons applied to claim 1 and 10.

As for claim 20, Van Ee discloses the invention substantially as claimed. Van Ee, however, does not disclose the limitation of the user profile is stored at server and the GUI is created at the server for being downloaded to a control device;

Roth discloses the limitation of the user profile is stored at server and the GUI is created at the server for being downloaded to client as the technique of Server 300 is an enhanced IBM AS/400 computer system includes main memory 325 contain profile manager mechanism 355 (see col. 5, lines 47-61 and Fig. 2B) and the user is also able to select a profile type and a minimum font size. The profile type information is used to obtain the correct master profile from the server 300 for initial menu arrangement (see col. 8, lines 31-34);

It would have been obvious to one having ordinary skilled in the art at the time was made to include Roth's user profile is stored at server and the GUI is created at the server for being downloaded to user into that of Van Ee's remote control device. By doing so, the system would be enhanced by allowing user to use a remote control to download profile from the server and initiate menu arrangement from user site.

Allowable Subject Matter

5. Claims 8-9 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. The following is an examiner's statement of reasons for allowance:

Examiner carefully considered each of two dependent claims 8-9. None of the prior arts of record include Roth (USPN: 6,266,060), Van Ee et al. (USPN: 6,208,341), Croy et al. (USPN: 6,476,825), Humpleman et al. (USPN: 6,288,716), Allport (USPN: 6,104,334) and Yang (USPN: 6,133,847) discloses nor suggests the GUI comprises a user identity selector comprises respective user-selectable representations for respective ones of the multiple users in a predetermined location on the display (see claim 8) or the GUI comprises multiple pages and adapter allocates first and second ones of the menu options as a group to a single of the multiple pages (see claim 9).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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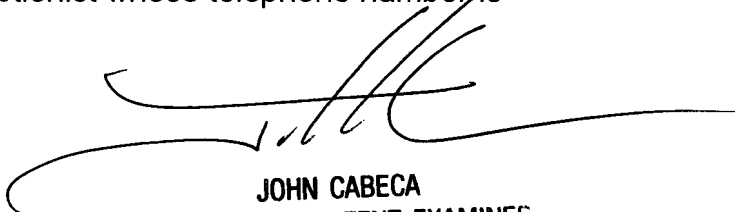
Conclusion

7. The prior art made of record on form PTO-892 and not relied upon is considered pertinent to applicant's disclosure. Applicants are required under 37 CFR 1.111 c to consider these references fully when responding to this action. The documents cited therein teach handheld or remote control device be able to communicate, monitor and control other devices on consumer friendly manner.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CUONG T THAI whose telephone number is (703) 308-7234. The examiner can normally be reached on 8:00 am - 4:00 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca, can be reached on (703) 308-3116. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-3116 for regular communications and (703) 308-9051 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-8000.

CUONG T THAI
Examiner
Art Unit 2173



JOHN CABECA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2101

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